

Title (en)  
A tracer control apparatus.

Title (de)  
Kopiersteuerungsvorrichtung.

Title (fr)  
Dispositif de commande de copiage.

Publication  
**EP 0029294 A1 19810527 (EN)**

Application  
**EP 80303547 A 19801009**

Priority  
JP 13109779 A 19791011

Abstract (en)  
[origin: JPS5656368A] PURPOSE:To enhance the efficiency of quick return from the end point of a profiling route to its starting point, by storing the maximum value of present position in the profiling route and by causing the quick return to a position corresponding to the sum of the maximum value and a prescribed value. CONSTITUTION:The maximum heights  $Z_{ma}$ ,  $Z_{mb}$  of the surface of a model MDL on profiling routes A, B extending from the starting point of profiling to its end point are stored. Quick return in the direction of an axis Z is effected to points of  $Z_{ma} + \alpha$ ,  $Z_{mb} + \alpha$  to perform return from the ending point to the starting point to shorten an unnecessarily long return route. Explaining with a block diagram, the outputs of position detectors PCX-PCZ are irreversibly counted at CUNT to indicate a present position. Supposing that a profiling direction is expressed by X and approach is expressed by Z, a servomotor MZ is driven depending on the displacement of a stylus ST to machine a workpiece W along the model MDL by a cutter CT. A processor CPU stores the maximum value of a counter CUNTZ in a register A.

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CPC (source: EP US)  
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• FR 2424099 A1 19791123 - FUJITSU FANUC LTD [JP]  
• DE 2916115 A1 19791025 - FUJITSU FANUC LTD  
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• US 4064445 A 19771220 - WENZEL ROBERT H  
• US 3475997 A 19691104 - WOHLFEIL JACK A

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